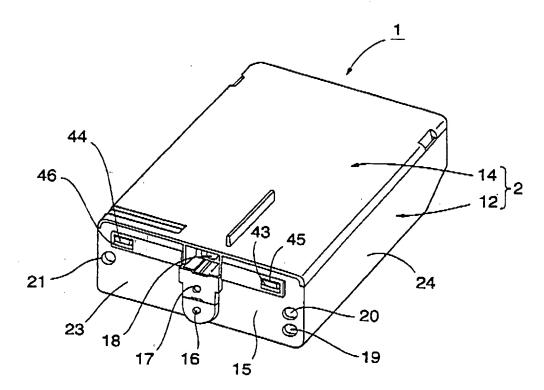
Fig.1



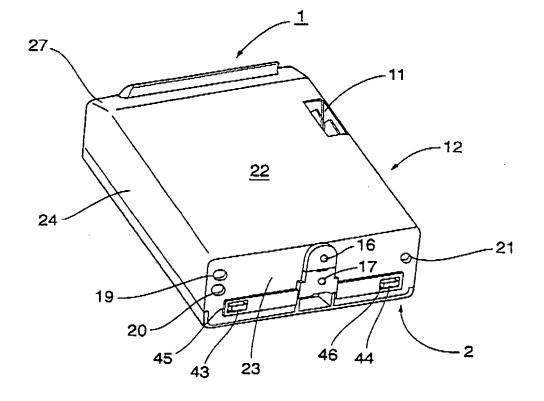
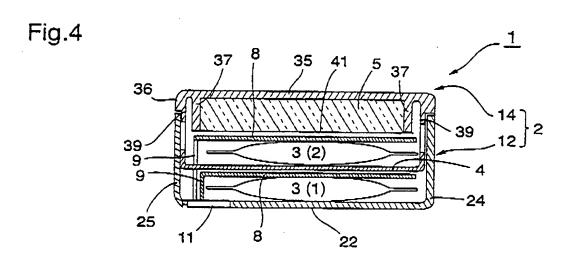
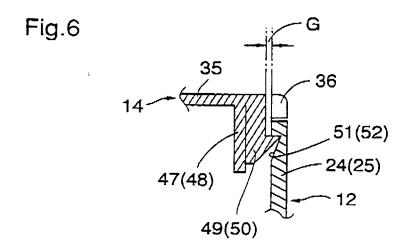
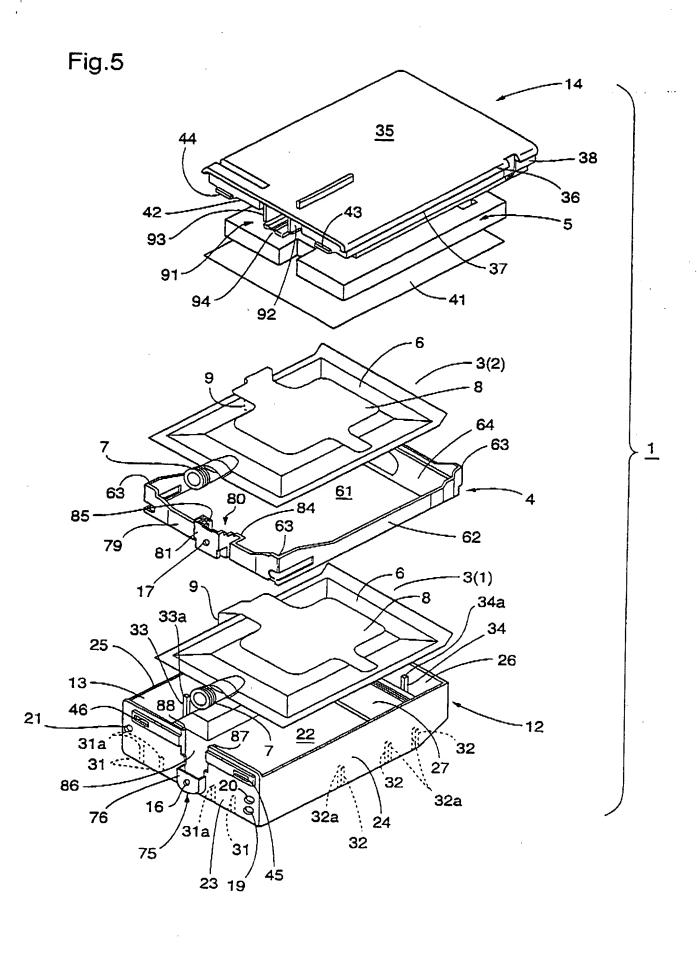


Fig.3 V <u>5</u> **3(2)** 80 -83a -76 3(1) -12 







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Fig.7

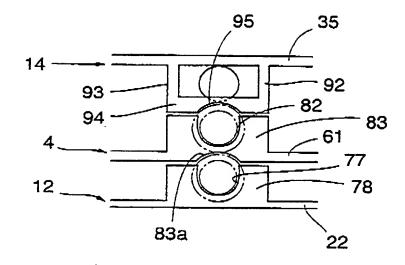
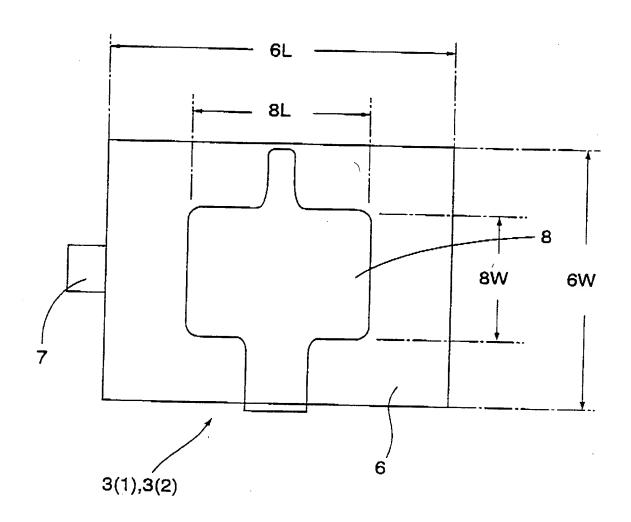
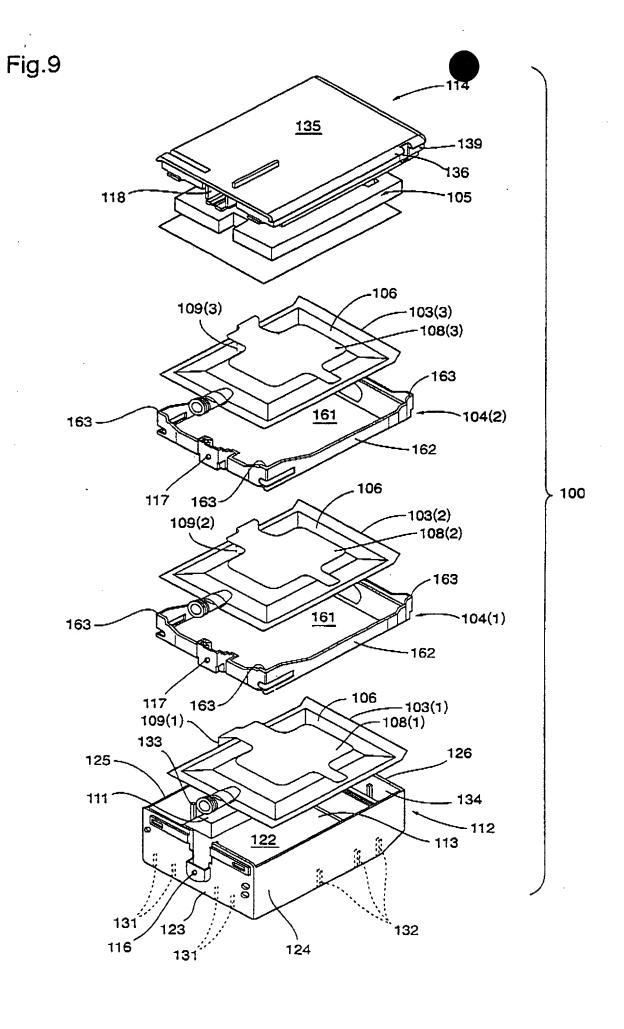


Fig.8





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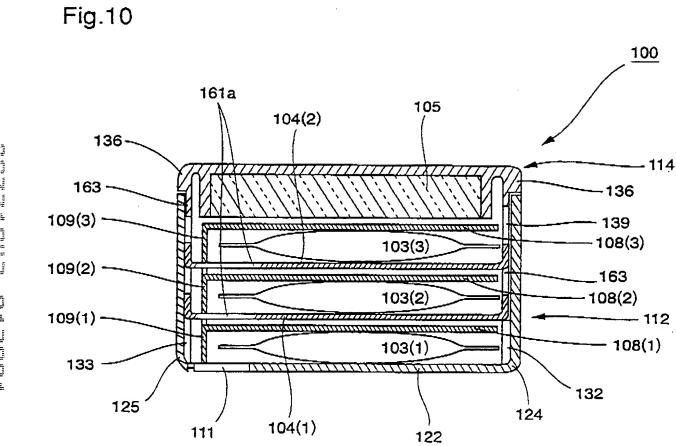


Fig.11

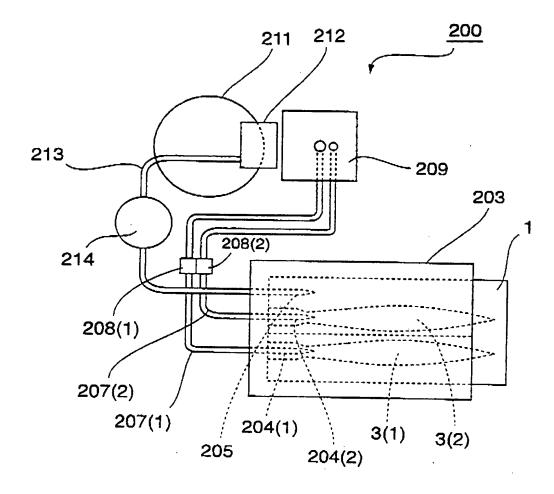
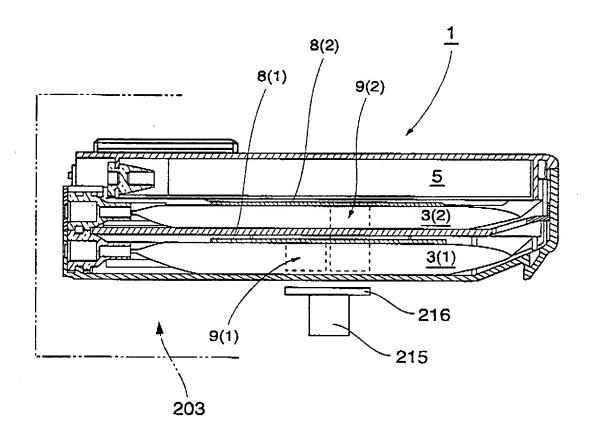
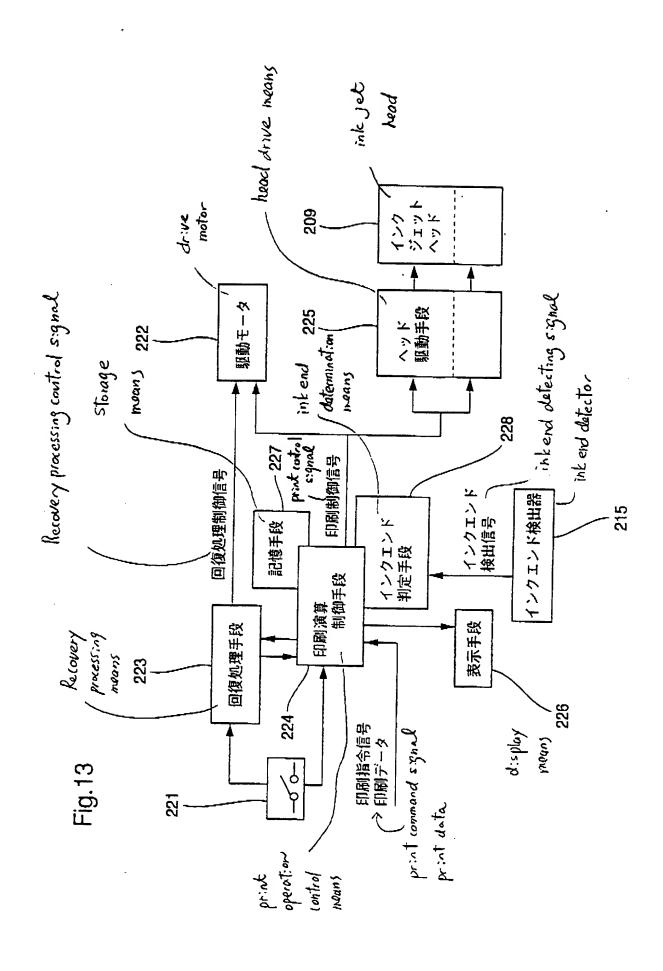


Fig.12





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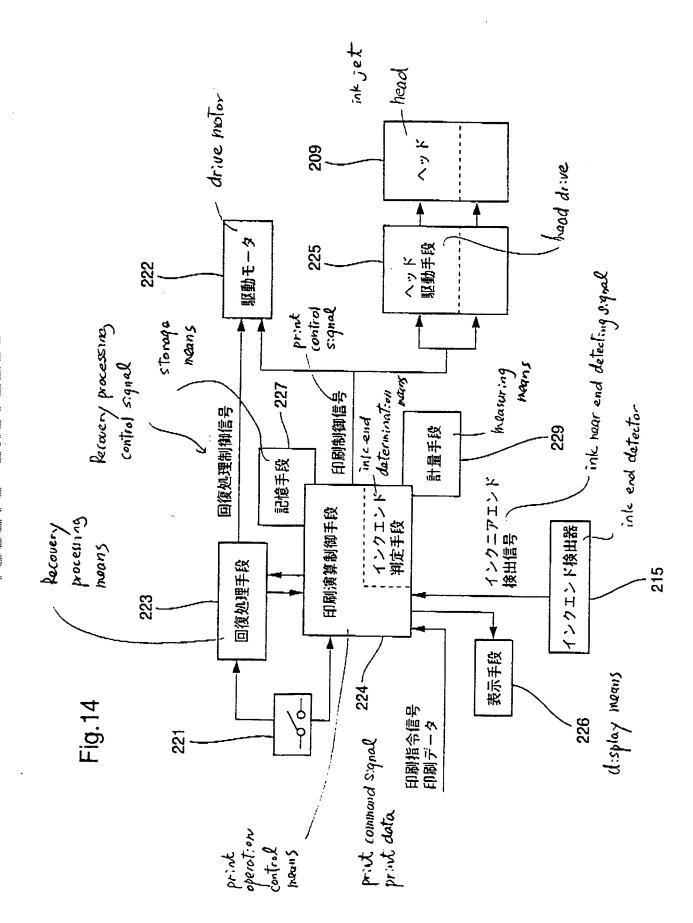
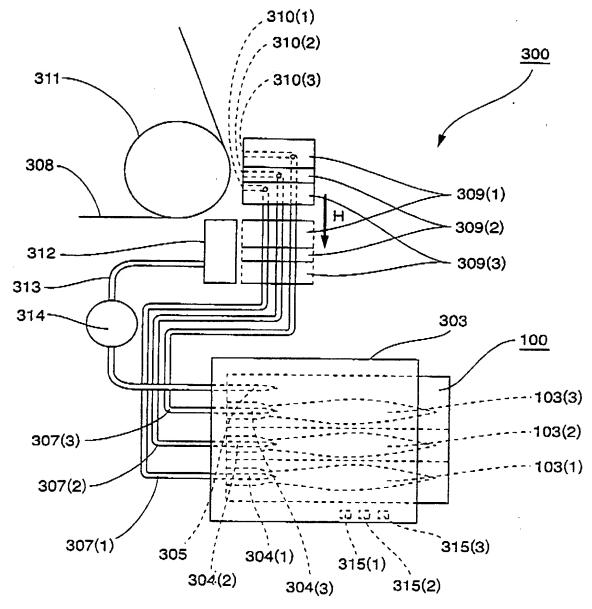
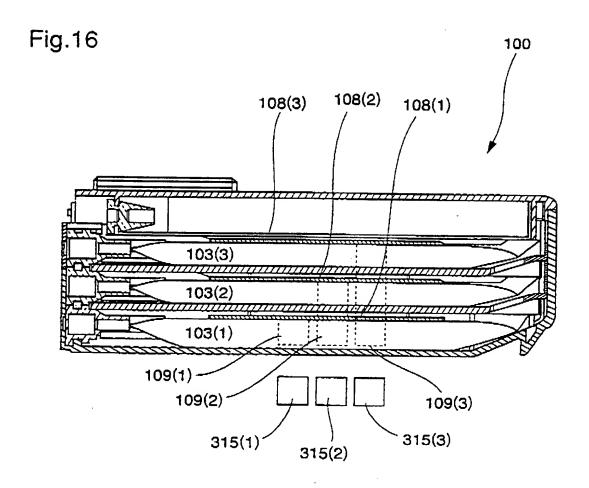
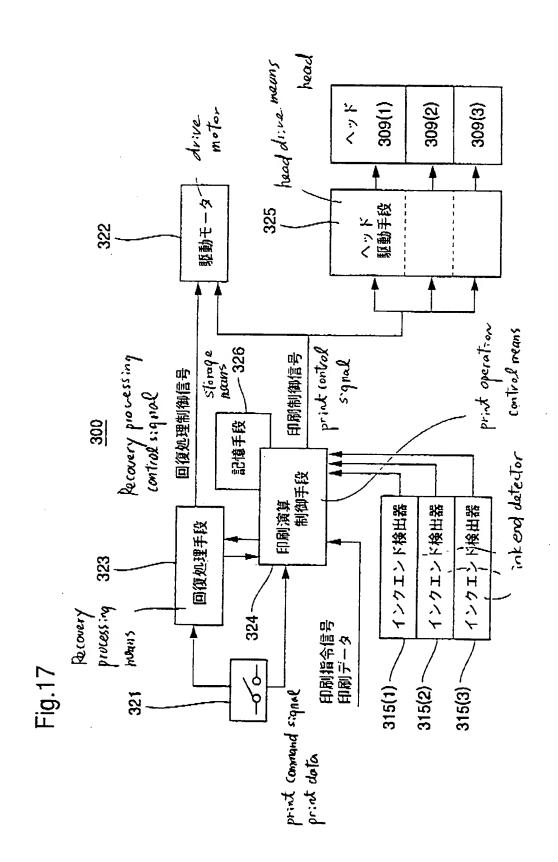


Fig.15







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Fig.18

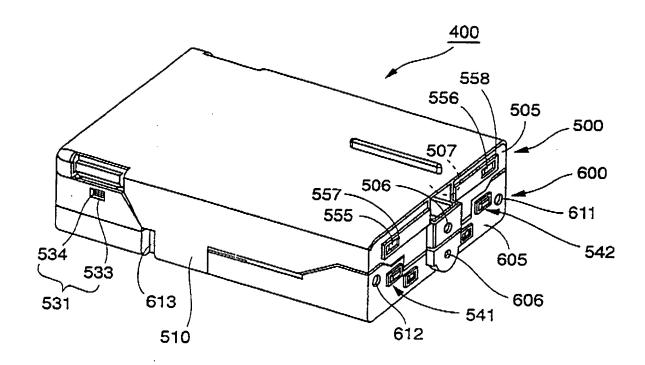
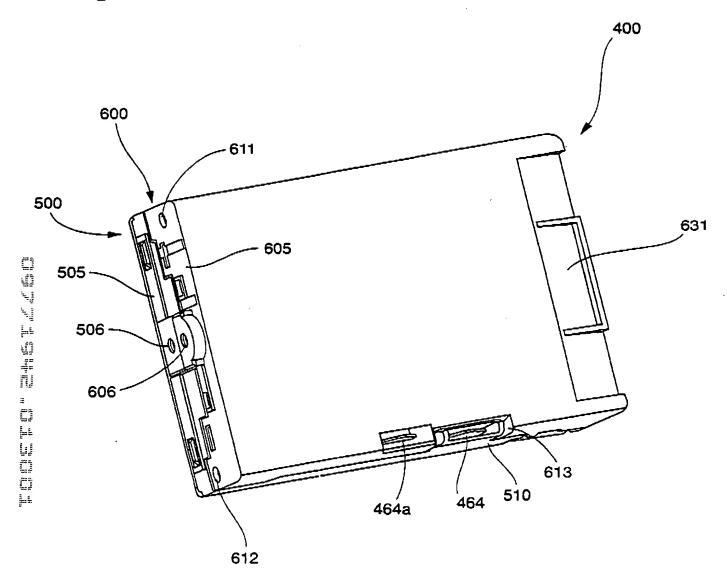


Fig.19





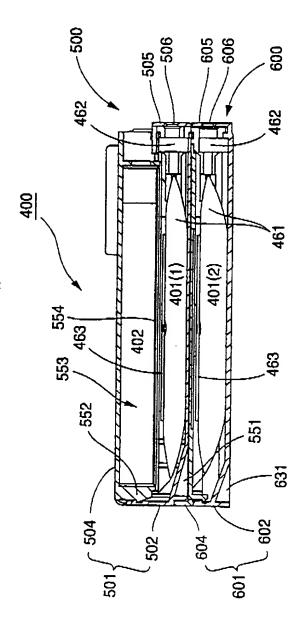


Fig.21

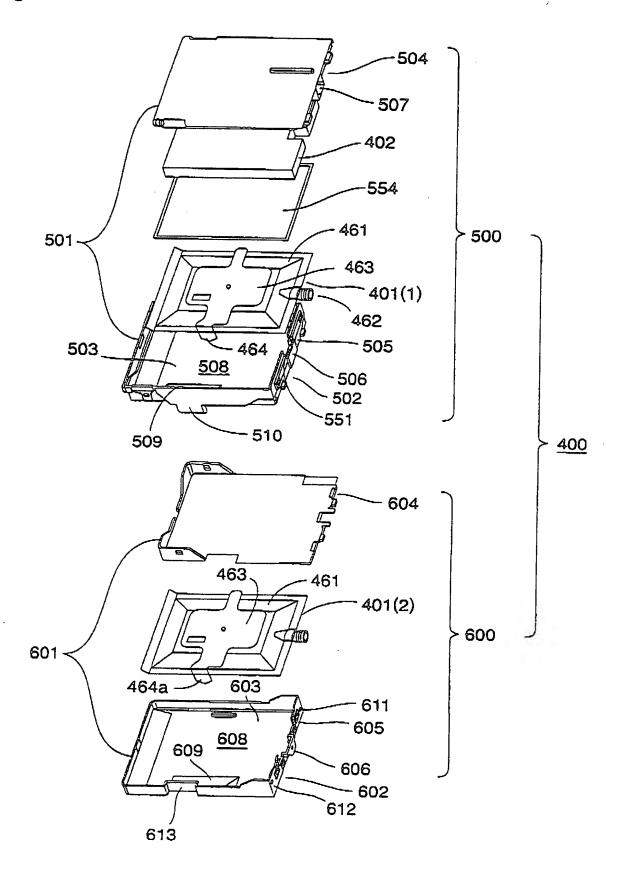


Fig.22

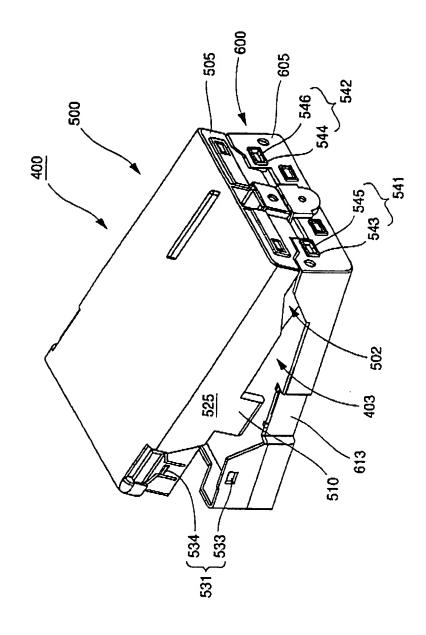


Fig.23

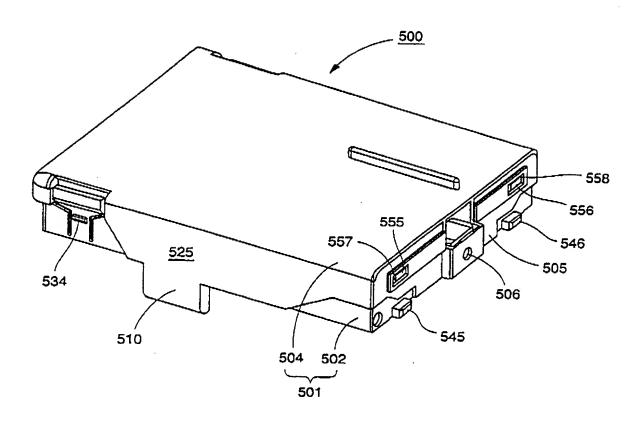
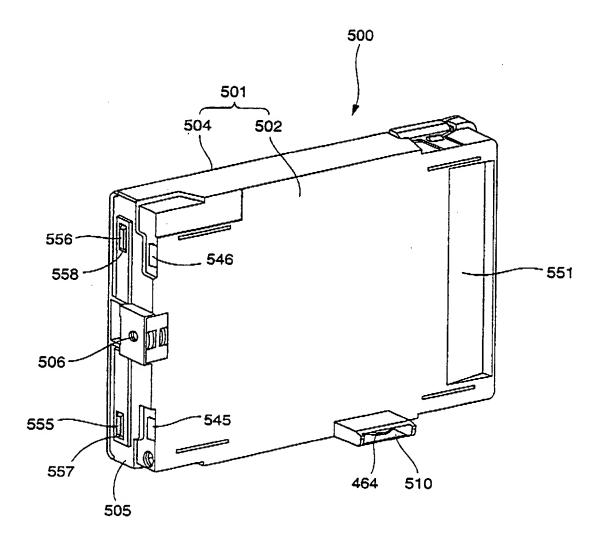
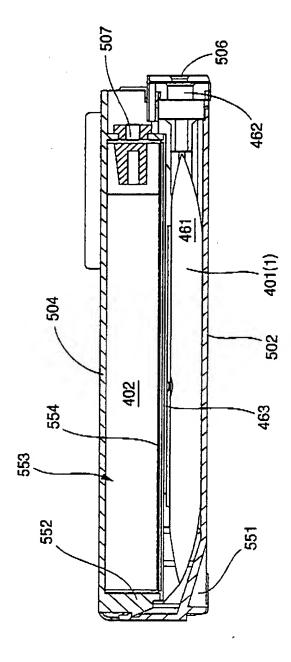


Fig.24





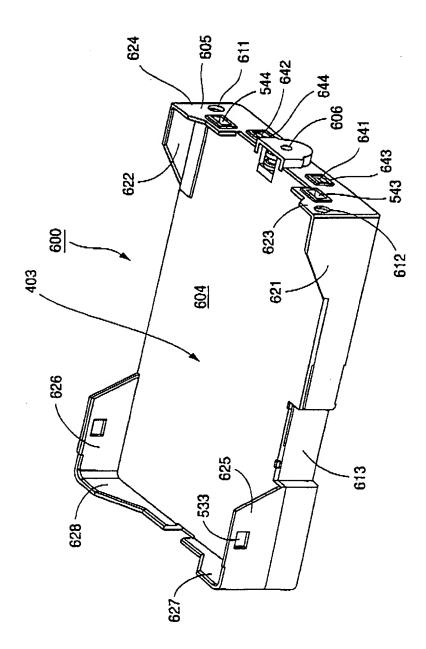


Fig.27

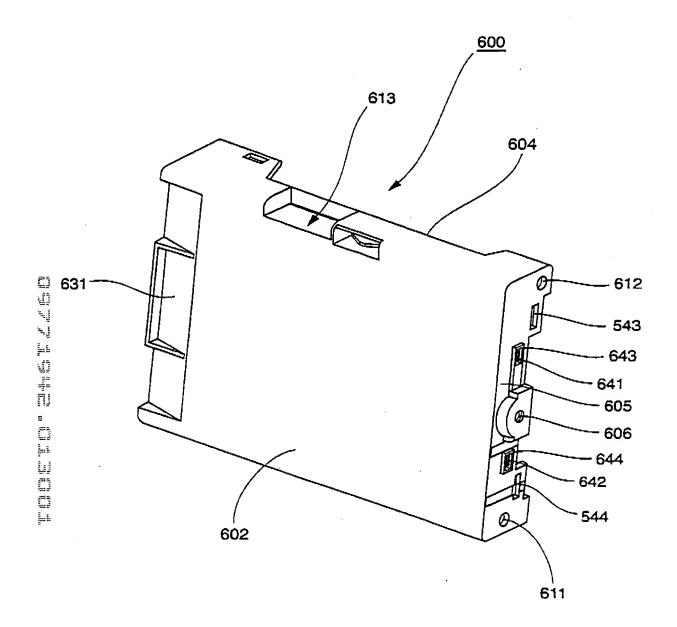


Fig.28

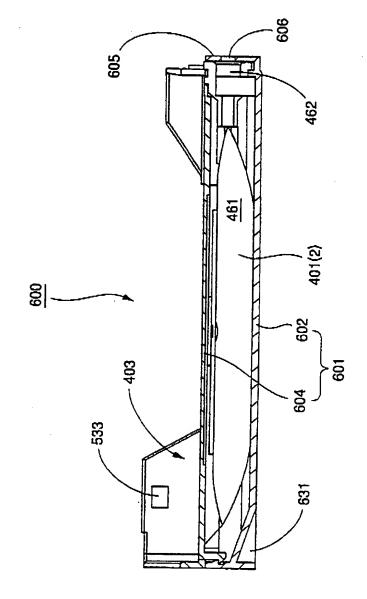


Fig.29

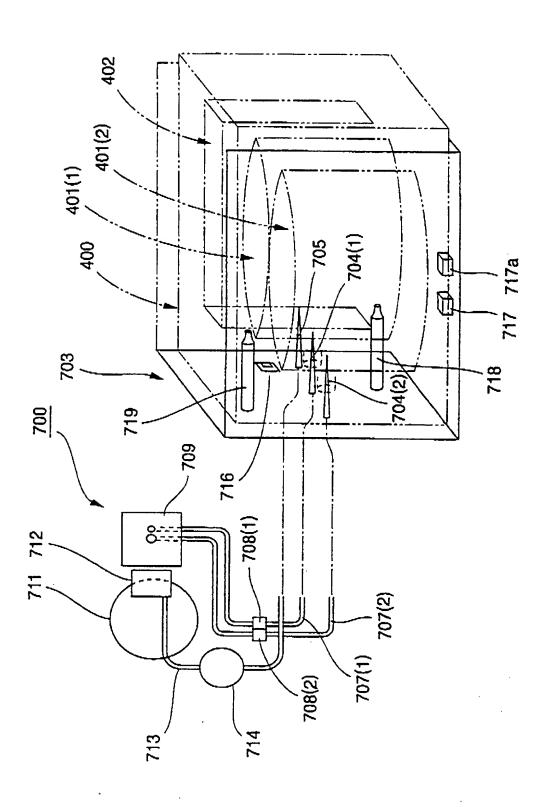


Table 1: In case of printing without color ink

First ink cartrige	second ink cartige	ink value for u	ink value for using printing	waste ink value	ilue .
500	009	black ink	color ink	black ink	color ink
first	first	a1 (cc)	(oo) 0	(n2/n1) x b1 (cc)	b1 (cc)
	second	a2 (cc)	(cc)	(n2/n1) x b2 (cc)	b2 (cc)
	third	a3 (cc)	(cc) 0	(n2/n1) x b3 (cc)	b3 (cc)
	th,d	ap (cc)	0 (cc)	(n2/n1) x bp (cc)	bp (cc)
total			(cc) 0	(n2/n1) × 2 bi (cc)	Σ bi (cc)
Second (black ink) ca	cartridge	a1+(n2/n1)	x b1=a2+(n2	a1+(n2/n1) x b1=a2+(n2/n1) x b2=····=V2	
First (color ink) cartirge	irge	$b1+b2+\cdots bp=\sum bi=V1$	$p = \sum bi = V1$		
waste ink value		(n2/n1) × ∑b	i+Σbi=((n2-	$(n2/n1) \times \Sigma bi + \Sigma bi = ((n2+n1)/n1) \times \Sigma bi$	

Table 2: In case of printing with color ink

First ink cartridge	First ink cartridge Second ink cartridge		ink value for using printing	waste ink value	ue
500	009	black ink	color ink	black ink	color ink
frist	frist	(00) lp	(00) [0	(n2/n1) x e1 (cc)	e1 (cc)
	second	d2 (cc)	c2 (cc)	(n2/n1) x e2 (cc)	e2 (cc)
					5 - 5 - 6 - 6 - 6 - 6 - 6 - 6 - 6 - 6 -
•	th,d	dq (cc)	(cd) bo	(n2/n1) x eq (cc)	(၁၁) be
total			Σ ci (cc)	Σci (cc) (n2/n1) x Σθί (cc)	Σei (cc)
Second (black ink) ca	cartridge	d1+(n2/n1)	xe1=d2+(n;	d1+(n2/n1) x e1 = d2+(n2/n1) x e2=····=V2	
First (color ink) cartrige	ige	(c1+··+cq)	+(e1+··+eq	$(c1+\cdots+cq)+(a1+\cdots+aq)=\sum ci+\sum gi=V1$	
waste ink		(n2/n1) × ∑e	i+∑ei={(n2·	$(n2/n1) \times \Sigma ei + \Sigma ei = ((n2+n1)/n1) \times \Sigma ei$	